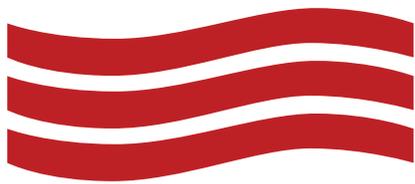


# AIRFOIL

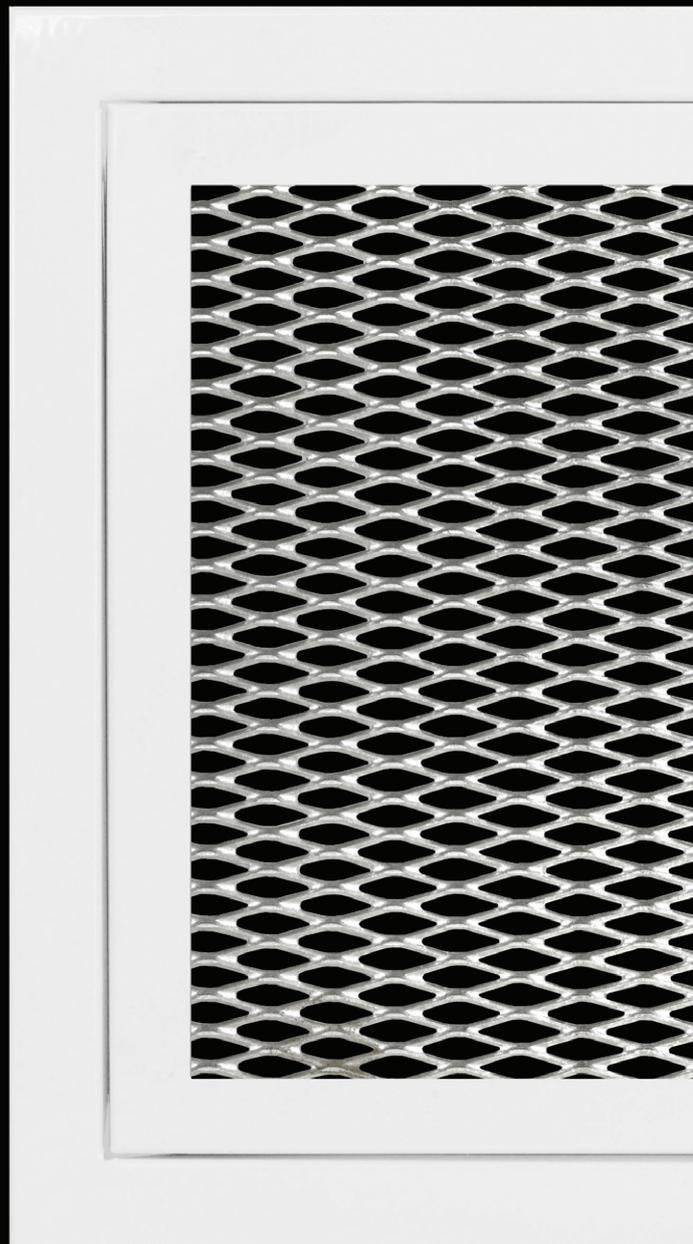


GRILLES  
DUCT  
FITTINGS

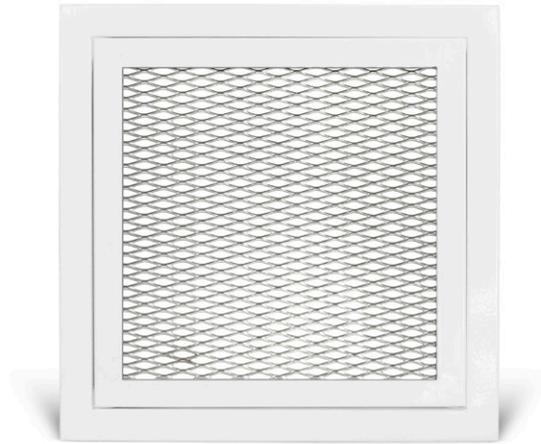
*making it happen sooner...*



Quality  
Endorsed  
Company  
ISO 9001  
 SAI GLOBAL



**REMOVABLE CORE  
EXPANDED MESH GRILLE  
RC-EMG**



## REMOVABLE CORE EXPANDED MESH GRILLE RC-EMG

### PRODUCT DESCRIPTION AND APPLICATION

Airfoil's Australian-Made Removable Core Expanded Mesh Grille (RC-EMG) is constructed from 1mm thick mild steel, featuring a removable core center with a 19mm x 7mm diamond mesh pattern. With a free area ranging from 60-73%, the RC-EMG ensures optimal airflow with minimal sound levels.

Designed for security areas like car parks, the Removable Core Expanded Mesh Grille is highly effective for return or exhaust air applications. Its unique diamond mesh removable core is securely fixed within its welded channel, allowing for easy installation and access by simply clicking it into the 50mm deep spring-aligned outer frame.

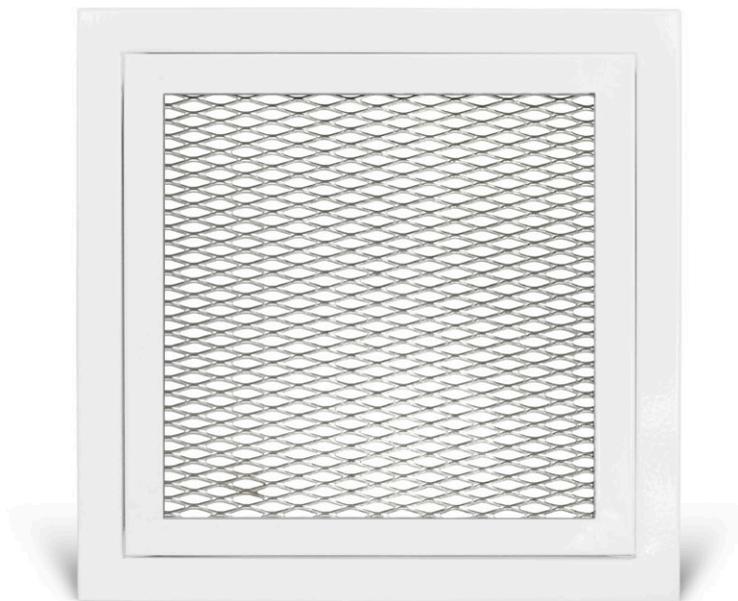
The outer aluminium frame fascia size is 25mm. Additionally, this Expanded Mesh Grille can be equipped with Airfoil's optional Opposed Blade Damper (OBD) for precise air balancing.

Available in our Natural Anodised finish or customisable with powder coating in any specific colour, the RC-EMG can be tailored to fit any size requirement. Ideal for commercial use in buildings where the consistent transfer of return or exhaust air is crucial.

## REMOVABLE CORE EXPANDED MESH GRILLE RC-EMG

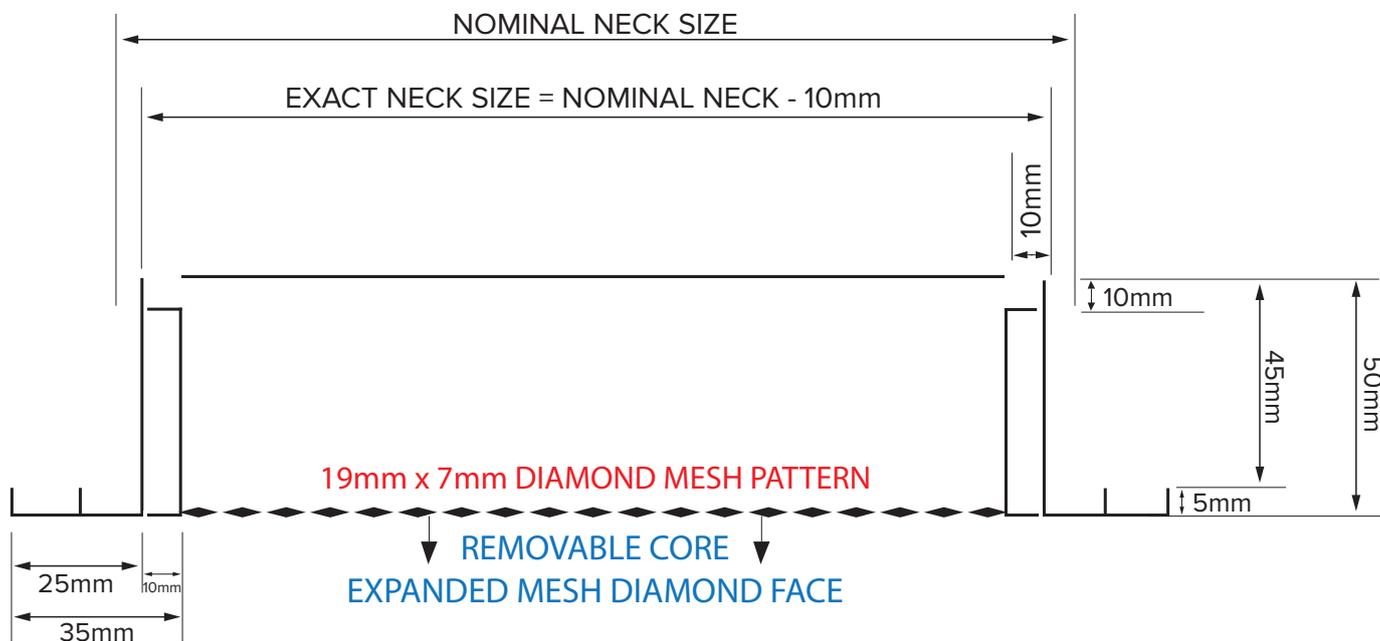
### PRODUCT SPECIFICATIONS AND INFORMATION

- **Product ordering code – RC-EMG**
- Australian Made
- Aluminium and Steel Construction
- 25mm spring alinged aluminium frame
- 50mm overall deep frame
- 60-73% free area
- Removable core diamond mesh pattern
- 1mm thick – 19mm x 7mm diamond mesh pattern
- Comes with optional Opposed Blade Damper (OBD)
- Manufactured to any size
- Comes standard in our Natural Anodised finish
- Special powder coating colours available upon request
- Effective for use in return or exhaust air applications
- Suitable for any commercial security area applications
- Airfoil tested information available
- **The following metric performance data has been derived from exhaustive testing in elaborate laboratories of acoustic and vibrational engineers Louis A. Challis and Associates Proprietary Limited. Darling Street, Sydney 2000**



## REMOVABLE CORE EXPANDED MESH GRILLE RC-EMG

### CROSS SECTIONAL DIAGRAM





**DISCLAIMER:**  
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## REMOVABLE CORE EXPANDED MESH GRILLE RC-EMG

### PERFORMANCE DATA

Square Grille Neck Size (mm x mm)	Sound Level LP (dB(A))				
	25	30	35	40	45
	Static Pressure (Pa) Approximate Airflow (L/s)				
150 x 150	8.8	13	21	34	54
	51	63	81	102	120
200 x 200	6.8	10.5	17	27	42
	83	105	130	150	205
250 x 250	5.4	8.9	13	21	34
	115	140	190	230	305
300 x 300	4.8	7.5	11	19	30
	160	205	250	320	410
350 x 350	4.1	6.5	10.5	19	30
	210	270	320	420	535
450 x 450	3.3	5.3	8.4	13	21
	315	410	510	640	820
500 x 500	3.5	5	7.9	12	20
	390	500	610	790	1000
600 x 600	2.7	4.1	6.7	10.2	17
	535	680	840	1050	1300